

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-039898

(43)Date of publication of application : 13.02.1998

(51)Int.Cl.

G10L 9/00
H04B 14/04

(21)Application number : 08-191944

(71)Applicant : NEC CORP

(22)Date of filing : 22.07.1996

(72)Inventor : HAYATA TOSHIHIRO

(54) VOICE SIGNAL TRANSMISSION METHOD AND VOICE CODING DECODING SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To improve the tone quality of the background noises in a silence interval for the voice coding decoding system which has voice coding and decoding devices and executes the voice operated transmitter (VOX) process that generates background noises.

SOLUTION: In the voice coding device, a provision is made for a spectrum envelope comparison section 4 which obtains the difference between an unquantized spectrum envelope and a quantized spectrum envelope of input voice signals and a spectrum envelope changing section 5 which varies the quantized spectrum envelope in accordance with the difference in the envelopes.

During the generation of background noise updating signals, the quantized spectrum envelope, which is varied in the section 5, is used and the spectrum change information related to the change in the quantized spectrum envelope is transmitted to a voice decoding device side. The voice decoding device varies the received quantized spectrum envelope in accordance with the information and the background noises are generated by the changed quantized spectrum.

